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New Patent Claims

- ART 34 A/D/A
1. Method for setting an operating parameter in a peripheral IC (12) of an electronic appliance, in which
5 method the operating parameter is transmitted from a central IC (15) in the electronic appliance via a bus connection (19) to the peripheral IC (12), characterized in that the operating parameter is buffered in a
10 preregister (24) of the peripheral IC (12) while a working process is running with the current operating parameter stored in a working register (25) and that the buffered operating parameter is transferred to said working register (25) to become active in the working
15 process only if a transfer signal has been sent from the central IC (12) via the bus connection (19).
 2. Method as claimed in Claim 1, in which method the bus connection (19) is a serial bus connection with a data
20 line (Data), a control line (Start) and a clock line (CLK), and the transfer signal is transmitted via the control line (Start) to the peripheral IC (12).
 3. Method as claimed in Claim 1 or 2, in which method the
25 start of a data transmission from the central IC (15) to the peripheral IC is also signaled via the control line (Start).
 4. Method according to claim 2 or 3, in which the register
30 write address for writing to the preregister (24) is transferred to the peripheral IC (12) on the data line (Data) ahead of the operating parameter.
 5. Method according to one of claims 2 to 4, in which the
35 start signal occurs on the control line (Start) with a rising or falling edge of a clock signal on the clock line (CLK) and the transfer signal occurs on the control line (Start) with a falling or rising edge of a clock signal on the clock line (CLK).

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6. Device for carrying out the method as claimed in one of the preceding claims with a central IC (15) and a peripheral IC (12), with a bus connection (19) between the central IC (15) and the peripheral IC (12), where the peripheral IC (12) has a working register (25) for an operating parameter, characterized in that the peripheral IC (12) also has a preregister (24) for buffering an operating parameter while a working process is running with the current operating parameter stored in a working register (25), said operating parameter is received via the bus connection (19), and wherein the device has means for transferring the buffered value to the working register (25) to become active in the working process, which means respond to a transfer signal that is transmitted from the central IC (15) via the bus connection (19).
7. Device as claimed in Claim 6, in which device the bus connection (19) is a serial bus connection with a data line (Data), a control line (Start) and a clock line (CLK), and the control line (Start) is used to transmit the transfer signal.
8. The device as claimed in Claim 7, in which device the control line (Start) is also used to transmit a start signal for data transmission from the central IC (15) to the peripheral IC (12).
9. Device according to claims 7 or 8, including bus protocol means according to which the register write address for writing to the preregister (24) is transferred to the peripheral IC (12) on the data line (Data) ahead of the operating parameter.
10. Device according to one of claims 7 to 9, including signaling means according to which the start signal occurs on the control line (Start) with a rising or falling edge of a clock signal on the clock line (CLK) and the transfer signal occurs on the control line

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(Start) with a falling or rising edge of a clock signal on the clock line (CLK).

11. Device according to one of the claims 6 to 10, in which
5 device the peripheral IC (12) relates to a front-end IC for a communication arrangement for wireless data transmission and the central IC (15) relates to a signal processing device, with means for modulation or demodulation of the mixed RF input signal and for
10 further signal processing in baseband.
12. Device as claimed in Claim 11, in which device the
operating parameter relates to the gain setting for the
receive gain in the front-end IC (12).
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13. Device according to one of the claims 6 to 12, which
device is configured as a send and receive device for
wireless data transmission in accordance with the
HIPERLAN2 standard.
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